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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JUL 28	CA/CAplus patent coverage enhanced
NEWS 3	JUL 28	EPFULL enhanced with additional legal status information from the epoline Register
NEWS 4	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS 5	JUL 28	STN Viewer performance improved
NEWS 6	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS 7	AUG 13	CA/CAplus enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS 8	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS 9	AUG 15	CAplus currency for Korean patents enhanced
NEWS 10	AUG 27	CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information
NEWS 11	SEP 18	Support for STN Express, Versions 6.01 and earlier, to be discontinued
NEWS 12	SEP 25	CA/CAplus current-awareness alert options enhanced to accommodate supplemental CAS indexing of exemplified prophetic substances
NEWS 13	SEP 26	WPIDS, WPINDEX, and WPIX coverage of Chinese and and Korean patents enhanced
NEWS 14	SEP 29	IFICLS enhanced with new super search field
NEWS 15	SEP 29	EMBASE and EMBAL enhanced with new search and display fields
NEWS 16	SEP 30	CAS patent coverage enhanced to include exemplified prophetic substances identified in new Japanese-language patents
NEWS 17	OCT 07	EPFULL enhanced with full implementation of EPC2000
NEWS 18	OCT 07	Multiple databases enhanced for more flexible patent number searching
NEWS 19	OCT 22	Current-awareness alert (SDI) setup and editing enhanced
NEWS 20	OCT 22	WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT Applications
NEWS 21	OCT 24	CHEMLIST enhanced with intermediate list of pre-registered REACH substances

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability

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FILE 'HOME' ENTERED AT 10:17:12 ON 09 NOV 2008

=> FIL REG
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
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STRUCTURE FILE UPDATES:    7 NOV 2008  HIGHEST RN 1071660-21-3
DICTIONARY FILE UPDATES:   7 NOV 2008  HIGHEST RN 1071660-21-3

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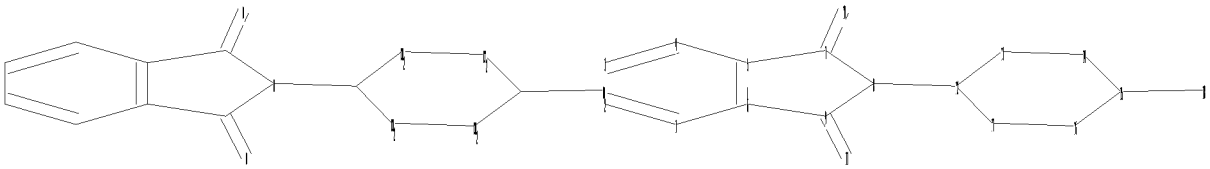

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10 11 18
ring nodes :
1 2 3 4 5 6 7 8 9 12 13 14 15 16 17
chain bonds :
7-10 8-12 9-11 15-18
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 12-13 12-17 13-14 14-15 15-16
16-17
exact/norm bonds :
5-7 6-9 7-8 7-10 8-9 8-12 9-11 12-13 12-17 13-14 14-15 15-16 15-18
16-17
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS

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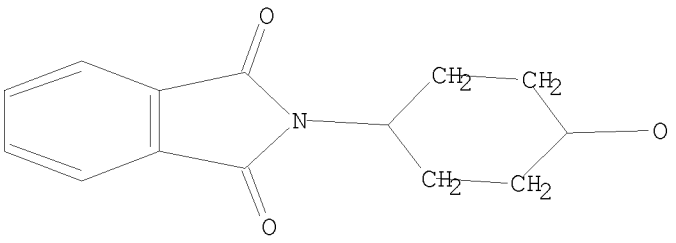
L1 STR



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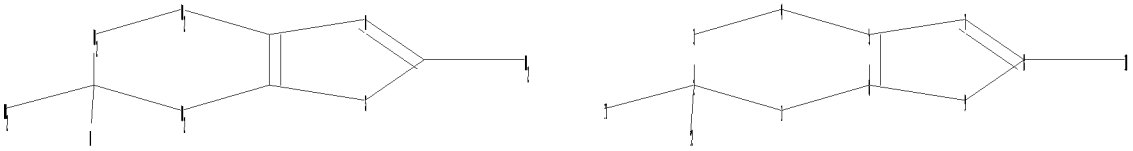
Uploading C:\Program Files\STNEXP\Queries\10588564\formula VIII.str



chain nodes :
10 11 12
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
2-11 2-12 8-10

ring bonds :
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exact/norm bonds :
1-2 1-6 2-3 2-11 3-4 4-5 5-6 5-7 6-9 7-8 8-9 8-10
exact bonds :
2-12

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS

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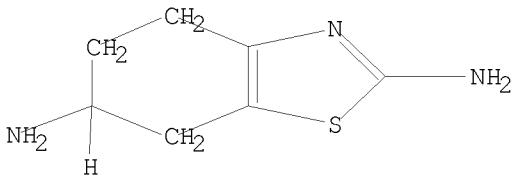

Structure attributes must be viewed using STN Express query preparation.

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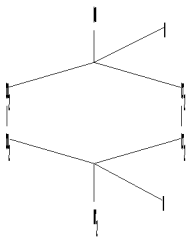

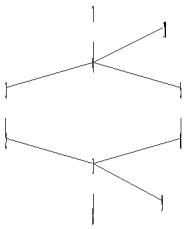

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7 8 9 10
ring nodes :
1 2 3 4 5 6
chain bonds :
1-8 1-9 4-7 4-10
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 1-8 2-3 3-4 4-5 4-7 5-6
exact bonds :
1-9 4-10

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS

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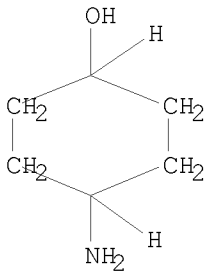
L3 HAS NO ANSWERS
L3 STR



Structure attributes must be viewed using STN Express query preparation.

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FULL SCREEN SEARCH COMPLETED - 17757 TO ITERATE

100.0% PROCESSED 17757 ITERATIONS 12 ANSWERS
SEARCH TIME: 00.00.01

L4 12 SEA SSS FUL L2

=> S L1 FULL
FULL SEARCH INITIATED 10:18:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 46582 TO ITERATE

100.0% PROCESSED 46582 ITERATIONS 97 ANSWERS
SEARCH TIME: 00.00.01

L5 97 SEA SSS FUL L1

=> S L3 FULL
FULL SEARCH INITIATED 10:19:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1787238 TO ITERATE

56.0% PROCESSED 1000000 ITERATIONS 3 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.07

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**

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     FILE 'REGISTRY' ENTERED AT 10:17:30 ON 09 NOV 2008
L1             STRUCTURE UPLOADED
L2             STRUCTURE UPLOADED
L3             STRUCTURE UPLOADED
L4          12 S L2 FULL
L5          97 S L1 FULL
L6           3 S L3 FULL

=> FIL CAPLUS
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                               ENTRY    SESSION
FULL ESTIMATED COST                           536.00     536.21

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FILE LAST UPDATED: 7 Nov 2008  (20081107/ED)

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=> S L4
L7          33 L4

=> S L5
L8          49 L5

=> S L7 AND L8
L9           4 L7 AND L8

=> D IBIB ABS HITSTR TOT
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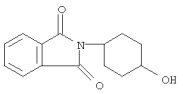
L9 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2008:446534 CAPLUS
DOCUMENT NUMBER: 148:426880
TITLE: Process for preparation of pramipexole and intermediates thereof
INVENTOR(S): Patel, Dharmeshkumar Arvindbhai; Kumar, Rajiv; Dwivedi, Shriprakash Dhar
PATENT ASSIGNEE(S): Cadila Healthcare Limited, India
SOURCE: PCT Int. Appl., 30pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008041240	A1	20080410	WO 2007-IN17	20070111
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
IN 2006MU01631	A	20080718	IN 2006-MU1631	20061003
PRIORITY APPLN. INFO.:			IN 2006-MU1631 A	20061003

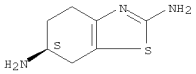
OTHER SOURCE(S): CASREACT 148:426880
AB The present invention pertains to a process for the preparation of (S)-2,6-diamino-4,5,6,7-tetrahydrobenzothiazole, which is an intermediate compound in the synthesis of pramipexole, (S)-2-amino-6-propylamino-4,5,6,7-tetrahydrobenzothiazole, and pharmaceutically acceptable salts or solvates thereof. For example, 4-aminocyclohexanol was reacted with phthalic anhydride to obtain 4-(phthalimido)cyclohexanol, which was oxidized to 4-(phthalimido)cyclohexanone. 4-(Phthalimnido)cyclohexanone was treated with bromine, then thiourea, and further with aqueous monomethylamine to give racemic 2,6-diamino-4,5,6,7-tetrahydrobenzothiazole. The racemic intermediate was reacted with L-(+)-tartaric acid for the resolution of (S)-2,6-diamino-4,5,6,7-tetrahydrobenzothiazole, which was then reacted with Pr bromide to afford pramipexole, and optionally transferred to pramipexole dihydrochloride monohydrate.
IT 873431-80-2P
RL: IMF (Industrial manufacture); PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pramipexole and intermediates thereof)
RN 873431-80-2 CAPLUS

L9 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 106092-09-5 CAPLUS
CN 2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro-, (6S)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



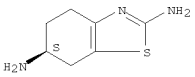
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L9 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
CN 2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro-, (6S)-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 106092-09-5
CMF C7 H11 N3 S

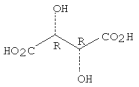
Absolute stereochemistry. Rotation (-).



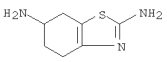
CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



IT 104617-49-4P 104618-31-7P 106092-09-5P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pramipexole and intermediates thereof)
RN 104617-49-4 CAPLUS
CN 2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro- (CA INDEX NAME)



RN 104618-31-7 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-(4-hydroxycyclohexyl)- (CA INDEX NAME)

L9 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:31539 CAPLUS
DOCUMENT NUMBER: 144:128965
TITLE: Improved process for the preparation of biologically active tetrahydrobenzothiazole derivative
INVENTOR(S): Mistry, Dhiren N.; Soni, Kamlesh S.; Vasoya, Sanjay L.; Kansal, Vinod Kumar
PATENT ASSIGNEE(S): Alembic Limited, India
SOURCE: PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

INSTANT APPLICATION

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006003677	A1	20060112	WO 2005-IN127	20050425
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
IN 2004MU00706	A	20060616	IN 2004-MU706	20040701
CA 2553311	A1	20060112	CA 2005-2553311	20050425
EP 1761511	A1	20070314	EP 2005-775547	20050425
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU				
US 20070123573	A1	20070531	US 2006-588564	20060804
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			WO 2005-IN127 W	20050425

OTHER SOURCE(S): CASREACT 144:128965
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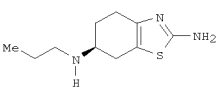


I

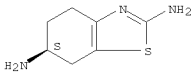
AB A process for an improved preparation of Pramipexole (I) is described. The process begins with 4-aminocyclohexanol which is protected with a phthalimido group then subjected to oxidation, bromination, cyclocondensation

L9 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
with thiourea, deprotected, resoln. with tartaric acid, and finally reductive alkylation with propionaldehyde.
IT 873431-80-2P
RL: IMF (Industrial manufacture); PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(process for preparation of Pramipexole via oxidation of phthalimido-protected
4-aminocyclohexanol followed by bromination, cyclocondensation with thiourea, deprotection, and reductive alkylation with propionaldehyde)
RN 873431-80-2 CAPLUS
CN 2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro-, (6S)-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 106092-09-5
CMF C7 H11 N3 S

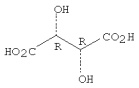
Absolute stereochemistry. Rotation (-).



CM 2

CRN 87-69-4
CMF C4 H6 O6

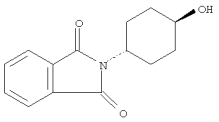
Absolute stereochemistry.



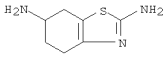
IT 99337-98-1P 104617-49-4P 106092-09-5P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(process for preparation of Pramipexole via oxidation of phthalimido-protected
4-aminocyclohexanol followed by bromination, cyclocondensation with thiourea, deprotection, and reductive alkylation with propionaldehyde)
RN 99337-98-1 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-(trans-4-hydroxycyclohexyl)- (CA INDEX NAME)

L9 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

Relative stereochemistry.

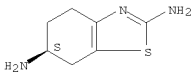


RN 104617-49-4 CAPLUS
CN 2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro- (CA INDEX NAME)



RN 106092-09-5 CAPLUS
CN 2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro-, (6S)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

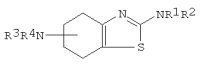


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1987:5015 CAPLUS
DOCUMENT NUMBER: 106:5015
ORIGINAL REFERENCE NO.: 106:943a,946a
TITLE: Tetrahydrobenzothiazoles and their use as neurological drugs
INVENTOR(S): Griss, Gerhart; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; Schingnitz, Guenter
PATENT ASSIGNEE(S): Thomae, Dr. Karl, G.m.b.H., Fed. Rep. Ger.
SOURCE: Eur. Pat. Appl., 57 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

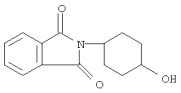
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 186087	A1	19860702	EP 1985-116016		19851216
EP 186087	B1	19890823			
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE					
DE 3447075	A1	19860703	DE 1984-3447075		19841222
DE 3508947	A1	19860918	DE 1985-3508947		19850313
AT 45735	T	19890915	AT 1985-116016		19851216
PRIORITY APPLN. INFO.:			DE 1984-3447075	A	19841222
			DE 1985-3508947	A	19850313
			EP 1985-116016	A	19851216

OTHER SOURCE(S): CASREACT 106:5015; MARPAT 106:5015
GI

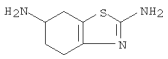


I

AB Tetrahydrobenzothiazoles I [R1 = H, C1-6 alkyl, C3-6 alkenyl, C3-6 alkynyl, C1-6 alkanoyl, (un)substituted phenylalkyl, phenylalkanoyl; R2 = H, C1-4 alkyl; R3 = H, C1-7 alkyl, C3-7 cycloalkyl, C3-6 alkenyl, C3-6 alkynyl, C1-7 alkanoyl, (un)substituted phenylalkyl, phenylalkanoyl; R4 = H, C1-4 alkyl, C3-6 alkenyl, C3-6 alkynyl; NR3R4 = pyrrolidino, piperidino, hexamethyleneimino, morpholino], their enantiomers and salts, were prepared for the treatment of central nervous diseases and/or circulation problems. Thus, 4-dimethylaminocyclohexanone was brominated and cyclocondensed with H2NCSNH2 to give 2-amino-6-dimethylamino-4,5,6,7-tetrahydrobenzothiazole (II). II inhibited dopamine turnover and parkinsonian syndrome in animal studies. A tablet was formulated containing II 5.0, lactose 33.5, corn starch 10.0, gelatine 1.0, and Mg stearate 0.5 mg.
IT 104618-31-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and oxidn. of)
RN 104618-31-7 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-(4-hydroxycyclohexyl)- (CA INDEX NAME)

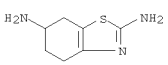


IT 104617-48-3P 104617-49-4P 104617-55-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as central nervous agent)
RN 104617-48-3 CAPLUS
CN 2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro-, hydrochloride (1:2) (CA INDEX NAME)

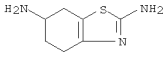


●2 HCl

RN 104617-49-4 CAPLUS
CN 2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro- (CA INDEX NAME)



RN 104617-55-2 CAPLUS
CN 2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro-, hydrobromide (1:2) (CA INDEX NAME)



●2 HBr

L9 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

L9 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1986:553056 CAPLUS
DOCUMENT NUMBER: 105:153056
ORIGINAL REFERENCE NO.: 105:24669a,24672a
TITLE: Tetrahydrobenzothiazolediamines
INVENTOR(S): Griss, Gerhart; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim
PATENT ASSIGNEE(S): Thomae, Dr. Karl, G.m.b.H., Fed. Rep. Ger.
SOURCE: Ger. Offen., 55 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

IDS

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3447075	A1	19860703	DE 1984-3447075	19841222
EP 186087	A1	19860702	EP 1985-116016	19851216
EP 186087	B1	19890823		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 45735	T	19890915	AT 1985-116016	19851216
DK 8505902	A	19860623	DK 1985-5902	19851218
DK 168862	B1	19940627		
US 4731374	A	19880315	US 1985-810947	19851219
FI 8505102	A	19860623	FI 1985-5102	19851220
FI 81787	B	19900831		
FI 81787	C	19901210		
NO 8505195	A	19860623	NO 1985-5195	19851220
NO 165070	B	19900910		
NO 165070	C	19901219		
JP 61155377	A	19860715	JP 1985-287601	19851220
JP 05072907	B	19931013		
AU 8551544	A	19860717	AU 1985-51544	19851220
AU 583874	B2	19890511		
HU 39736	A2	19861029	HU 1985-4935	19851220
HU 193618	B	19871130		
DD 242230	A5	19870121	DD 1985-284921	19851220
ZA 8509731	A	19870826	ZA 1985-9731	19851220
CA 1263653	A1	19891205	CA 1985-498237	19851220
IL 77415	A	19900319	IL 1985-77415	19851220
US 4843086	A	19890627	US 1987-124197	19871123
US 4886812	A	19891212	US 1988-256671	19881012

PRIORITY APPLN. INFO.:

DE 1984-3447075	A	19841222
DE 1985-3508947	A	19850313
EP 1985-116016	A	19851216
US 1985-810947	A3	19851219
US 1987-124197	A3	19871123

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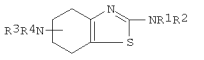
L9 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



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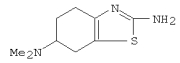
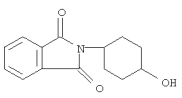


II

AB The title compds. [I; R1 = H, alkyl, alkenyl, alkynyl, alkanoyl, phenylalkyl, phenylalkanoyl; R2 = H, alkyl; R3 = H, alkyl, cycloalkyl, alkenyl, alkynyl, alkanoyl, (un)substituted phenylalkyl, phenylalkanoyl; R4 = H, alkyl, alkenyl, alkynyl; R3R4N = pyrrolidino, piperidino, hexamethylenimino, morpholino] were prepared as cardiovascular and central nervous system agents. Thus, 4-(dimethylamino)cyclohexanone was brominated with aqueous HBr in HOAc and the product cyclocondensed with thiourea to give, after acidification, 20% benzothiazolediamine II.2HCl (III). In mice III reduced exploratory activity with an ED50 of 2.7 mg/kg s.c. Dragees were prepared each containing III 5.0, lactose 33.5, cornstarch 10.0, gelatin 1.0, and Mg stearate 0.5 mg.

IT 104618-31-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and oxidation of)

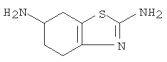
RN 104618-31-7 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-(4-hydroxycyclohexyl)- (CA INDEX NAME)



IT 104617-48-3P 104617-49-4P 104617-55-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as drug)

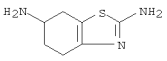
RN 104617-48-3 CAPLUS
CN 2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro-, hydrochloride (1:2) (CA INDEX NAME)

L9 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

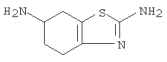


●2 HCl

RN 104617-49-4 CAPLUS
CN 2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro- (CA INDEX NAME)



RN 104617-55-2 CAPLUS
CN 2,6-Benzothiazolediamine, 4,5,6,7-tetrahydro-, hydrobromide (1:2) (CA INDEX NAME)



●2 HBr